



# High Voltage And High Power Impulse Current Coupling/Decoupling Network

## CPN 10050T30

- IEC 61643-11
- GB/T 18802.11

### — Features

- > EUT maximum load capacity AC 1000V 50A/DC 1500V 50A;
- > The maximum coupled pulse current can reach 25 kA;
- > Easy to operate, fully automatic coupling mode;
- > Ethernet LAN communication, stable and reliable.

### — Introduction

CPN 10050T30 high voltage and high power impulse current coupling/decoupling network, paired with host S15C3000 for 8/20  $\mu$  s current waveform testing, with a maximum coupling pulse current of 25 kA. The maximum load capacity of EUT is AC 1000V 50A three-phase five wire, DC 1500V 50A, with simple and fast equipment operation and strong reliability.

### — Application Areas



## Technical Parameters

Three-phase Fully Automatic Coupling/Decoupling Network	Accord with EN/IEC 61643-11、GB/T 18802.11 Coupled pulse current wave test Current up to 25 kA (8/20 $\mu$ s) Note: The actual output pulse voltage value of the coupling/decoupling network depends on the set value of the pulse generator
Current Output	4 kA ~ 25 kA ( $\pm 10\%$ ) Note: 4 kA depends on the breakdown voltage of the gas discharge tube
Coupled Network Port	L1 (DC+) 、 L2、 L3、 N (DC-) 、 PE
Coupling Path	L1 (DC+) 、 L2、 L3、 N (DC-) 、 PE Line Any combination path
Coupled Switching Mode	Automatic switching
Coupled Apparatus	Gas discharge tube coupling
EUT Carrying Capacity	Max AC 1000V 500A Max DC 1500V 50A

## General Parameters

Display Screen	5.7-inch TFT touch screen
Operating Power Supply Range	AC 220V,( $\pm 10\%$ ),50Hz/60Hz
Fuse	10 A
Maximum System Power Consumption	1500 W
Communication Mode	Ethernet LAN
External Control Mode	25-pin parallel mouth thread
Instrument Grounding Connection	Use flat ground wires
Dimensions	22U*2
Weight	Approx 410kg
Environment Temperature	15°C - 35°C
Relative Humidity	86 kPa - 106 kPa
Barometric Pressure	45% - 75%

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**Standard  
Accessories**

Test Wire,Fuse,Power Cord,Ground Wire,Factory Report,Manual.

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**Standard  
Equipment**

The CPN 10050T30 should be used with the impulse current simulator S15C3000.

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